

## APPARATUS AND METHOD FOR CELL DISRUPTION

### ABSTRACT OF THE DISCLOSURE

An apparatus for disrupting cells or viruses comprises a  
5 container having a chamber for holding the cells or  
viruses. The container includes at least one flexible wall  
defining the chamber. The apparatus also includes a  
transducer for impacting an external surface of the  
flexible wall to generate pressure waves in the chamber.  
10 The apparatus also includes a pressure source for  
increasing the pressure in the chamber. The pressurization  
of the chamber ensures effective coupling between the  
transducer and the flexible wall. The apparatus may also  
include beads in the chamber for rupturing the cells or  
15 viruses.